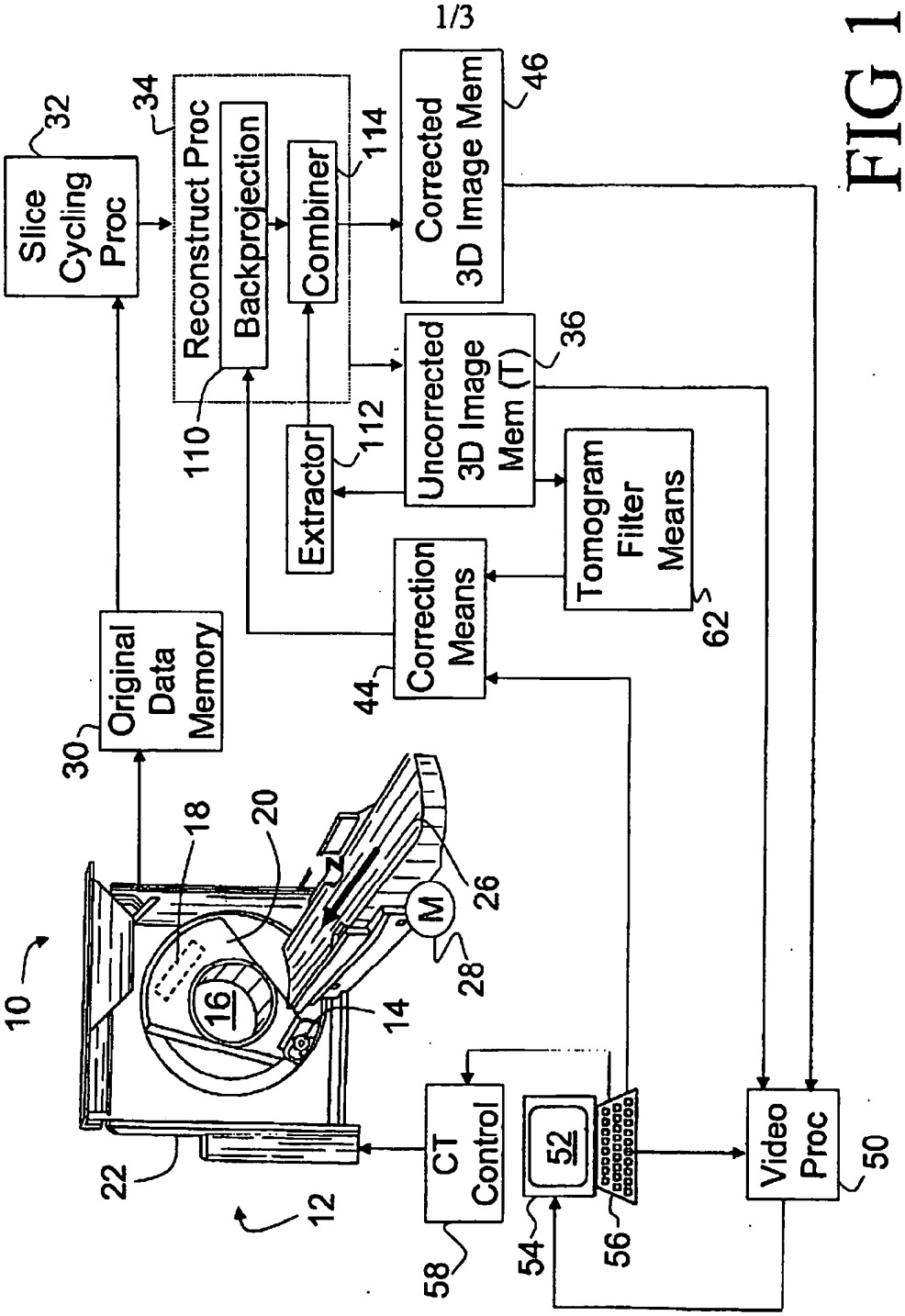
Slice Cycling Proc
32
Reconstruct Proc
34
Backprojection
110
Combiner
114
Corrected 3D Image Mem
46
Uncorrected 3D Image Mem (T)
36
Extractor
112
Tomogram Filter Means
62
Correction Means
44
Original Data Memory
30
18
20
26
28
14
16
10
12
22
CT Control
58
52
54
56
Video Proc
50

FIG 1

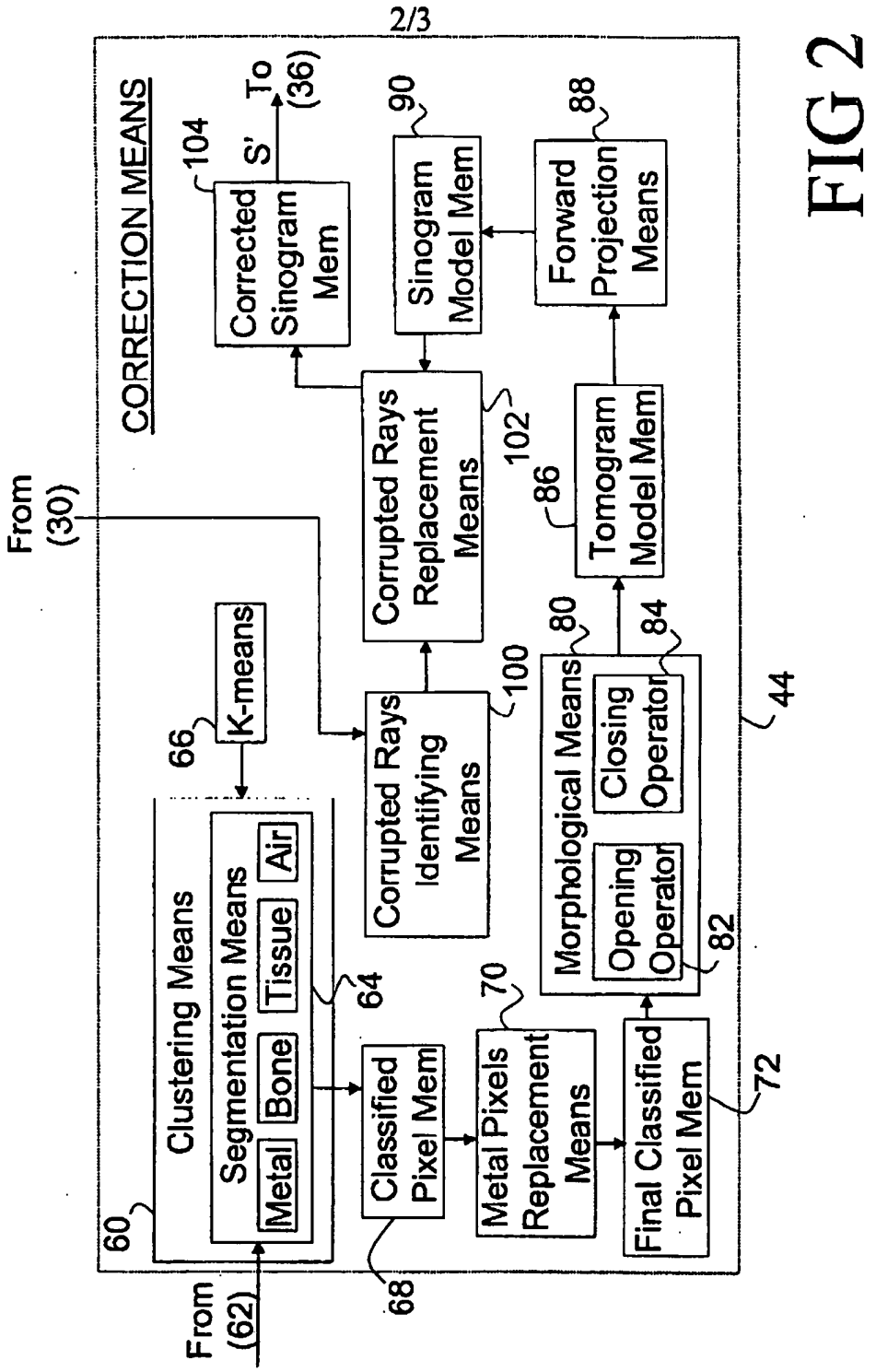
CORRECTION MEANS
From (30)
From (62)
To (36)
S'
Clustering Means
Segmentation Means
Metal
Bone
Tissue
Air
K-means
Classified Pixel Mem
Metal Pixels Replacement Means
Final Classified Pixel Mem
Corrupted Rays Identifying Means
Corrupted Rays Replacement Means
Corrected Sinogram Mem
Sinogram Model Mem
Forward Projection Means
Tomogram Model Mem
Morphological Means
Opening Operator
Closing Operator
60
64
66
68
70
72
80
82
84
86
88
90
100
102
104
44

FIG 2

FIG 3A

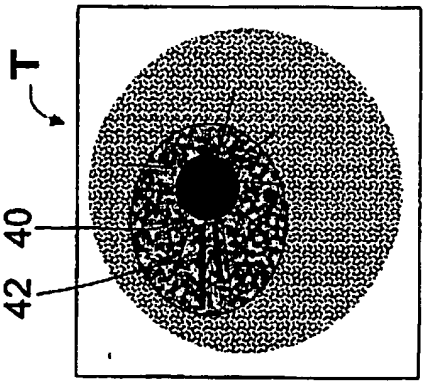

FIG 3B

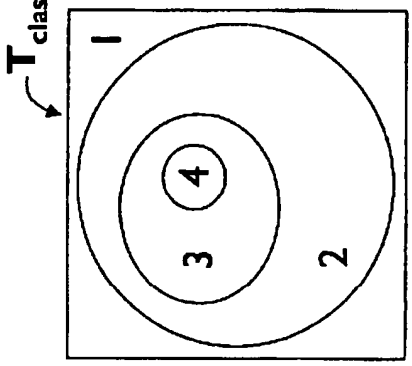
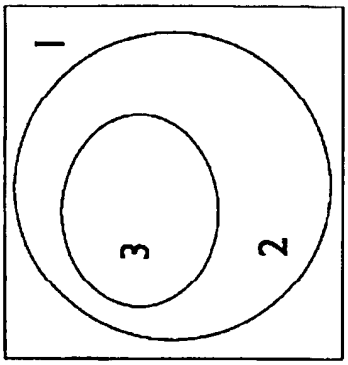
FIG 3C